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The Oredigger

Volume 87, Issue 3 October 4, 2006

The Voice of the Colorado School of Mines, a superior education in applied science and engineering

Come Bleed to Win

Courtesy of www.denvernursingstar.com

The Annual Blood Drive put on by Bonfils and the Kappa Sigma fraternity will be held this week. The event is a competition to see how much blood CSM's greek organizations can donate, but is open to non-greek students and staff.

By Chase Hoffman
Asst. Editor-in-Chief

For the third year, Kappa Sigma along with Bonfils is hosting their annual blood drive, called 'Bleed Off.'

It is set to take place on Wednesday, Oct. 4, all day. The turn out is expected to be nearly 60 people. In the past, roughly 40 people gave blood.

Their hopes are to increase attendance with a competition between the fraternities and sororities. "I think most of the Greek organizations will be responsive…so I could see an increase in competition," said Dwyatt Jackson, Rush Chair for the Kappa Sigma fraternity.

Anyone is allowed to enter and even non-greeks can give blood in the name of their favorite house. The winning prize is an $80 gift certificate to Foss General Store for the winning house.

For more information, contact Dwyatt Jackson by phone: (830) 708-3229 or by e-mail at djackson@mines.edu.

Courtesy of www.vector-clipart.info

Fred and Wilma are center-stage this year as Mine's Homecoming heads for the Stone Age. A wide variety of events are planned.

Yabba Dabba

By Katie Kocman
Staff Writer

This Friday, Oct. 6 marks the beginning of Homecoming 2006. This year's theme is Yabba Dabba µ. This title was modeled after *The Flintstones* saying, "Yabba Dabba Doo!" Since the School of Mines is an engineering school, it seemed appropriate to incorporate math and science into the name.

To start off the festivities there will be carnival-style events on the North IM fields. All events this year are geared towards individuals, including the ring toss, dart throw, bag toss, etc. Prizes will be given at each booth depending on the level of difficulty.

Marc Guerra, events coordinator, encouraged students and staff to come out.

"Everyone is welcome to participate and take part," said Guerra. "Not everything has to do with teams. We're going for a pretty laid back atmosphere."

Additionally, there will be a chili cook-off competition on the IM fields. Everyone is encouraged to come out and sample all the tasty concoctions, since the Slate Café will be closing early.

The CSM Athletics Department will be hosting the annual Homecoming Silver and Blue Luncheon on Friday from 11:30 am to 1:00 pm. The speaker this year will be Vic Lombardi from Channel 4

Please see YABBA on Page 2

2006 Homecoming Schedule

Friday, October 6th

4:00 – 7:00 PM: Events on North IM Fields
4:00 – 7:00 PM: PowderPuff Football Games on North IM Fields
5:30 – 7:00 PM: Chili Cook-off on North IM
8:00 PM: Comedian Ben Baily, Bunker Aud.

Saturday, October 7th

7:30 AM: Kiwanis Pancake Breakfast, Foss Drug Parking Lot
10:00 AM: Homecoming Parade
1:00 PM: Football Game at Brooks Field

Sleepless For St. Jude's

By Jason Fish
News Editor

Many Colorado School of Mines students are familiar with staying awake all night to finish homework. This year, a new reason to go sleepless has come to campus.

'Up 'til Dawn' is a fundraising campaign to help St. Jude Children's Research Hospital. The facility provides care for children with a wide range of chronic, rare, and terminal illnesses. This care is free of charge to the families.

St. Jude's also conducts research on the illnesses that pass through their doors and share it openly and freely with the medical community.

To supplement the costs of these procedures, St. Jude's has recruited students from colleges across the nation. These volunteers raise money by writing letters to friends and family, asking for donations.

The student program originated at the University of Memphis in Tennessee where St. Jude's is located. It now involves multiple universities and thousands of students.

'Up 'til Dawn' acquired its name directly from those St. Jude's takes in. "It started as a party for students to get together to stay up all night in memory of the patients and their families who also go without sleep," said Jackie Jaggers, CSM senior and leader of the volunteers on campus.

Chase Hoffman/Oredigger

Up 'til Dawn volunteers scrub down a student vehicle at the free carwash last Friday. The event raised awareness on campus about Up 'til Dawn's mission to accumulate donations for St. Jude's Children's Research Hospital.

This is the first year Mines has participated in 'Up 'til Dawn.' Last spring, representatives from the national 'Up 'til Dawn' organization came and gave a presentation at CSM to generate interest.

Over the summer, Jaggers traveled to Memphis with another volunteer, Brian Hanks, and CSM staff advisor, Jenifer Doane, for a meeting with other volunteers working on 'Up 'til

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Rampages Sweep Nation

By Zach Aman
Editorials Editor

The Platte Canyon school shooting was the first of three in the last week as a trend of terror unfolded across America.

Duane Morrison, 53, stormed the Bailey, Colorado high school last Wednesday and took six girls hostage. Before SWAT teams charged the classroom, Morrison sexually assaulted all six of the hostages, finally murdering Emily Keyes, 16, and turning the gun on himself.

Authorities are still unclear as to why the gunman selected Platte Canyon. His apartment, robbed in 2005, was stocked with dozens of handguns and rifles. Jesse Williams, maintenance supervisor for Morrison's Denver apartment complex, said, "We had a conversation about the right to bear arms. He really liked his guns."

Two days after the Bailey shooting, Eric Hainstock – a special education student at Weston High School in Cazenovia, Wisconsin – cracked open his family's gun cabinet and took a handgun and shotgun.

He brought both weapons to school and shot John Klang – Principal of Weston High – three times. Just one day before his death, Klang issued a disciplinary warning to Hainstock for possession of tobacco on school grounds.

Classmate Shelly Rupp, 16, said, "He always used to kid around about bringing things to school and hurting kids." Hainstock had complained earlier that week that he was being bullied and he felt neither the principal nor the teachers would do anything about it.

Three days after the Wisconsin shooting, Charles Carl Roberts IV, 32, walked into an Amish school in Paradise, Pennsylvania, carrying three firearms, a stun gun, two knives, and 600 rounds of ammunition. Roberts took multiple hostages.

Upon releasing all fifteen boys, one pregnant female, and three other females with young children, Roberts killed three young girls in execution style, wounded eight other girls, and finally turned the gun on himself. Pennsylvania State Police Commissioner Jeffrey Miller said, "It would take a miracle for us not to lose more lives today." He added that two of the wounded victims are currently in critical condition.

Courtesy of http://www.msnbc.msn.com/ .

Platte Canyon High School, about an hour outside of Denver, was one of three gun-violence locations across the nation last week.

According to Miller, Roberts told the students to line up against the blackboard whereupon he began to tie the feet of the female captives.

Roberts left his wife and three children suicide notes that Miller described as "rambling." Roberts talked with his wife over his cellular phone before he entered the school, saying "that he was acting out to achieve revenge for something that happened 20 years ago."

"Apparently, there was some sort of an issue in his past that for some reason, he wanted to exact revenge against female victims. That's all I can tell you right now," said Miller.

Students raise money for children's cancer

DAWN from Page 1

Dawn.' While there, they visited the hospital.

"It is designed completely for the kids," said Hanks. The walls are all painted with themes and the children use tricycles to get around the hospital."

At CSM, the volunteers have put on several events to promote 'Up 'til Dawn.' Last week they held an afternoon volleyball game on Kafadar and advertised the fundraiser to passing students. That Friday they hosted a free carwash in the parking lot of the Sigma Nu fraternity and collected some donations while soaping up student vehicles.

There will be more events to remind students between now and the All-Team Meeting, set to happen on Nov. 2. The goal of the meeting is to have small groups of students working on getting donations. "Student groups will address letters to friends and family, asking for contributions," said Jaggers.

The All-Team Meeting will be held in Friedhauf Hall from 5-9pm. There will be food and door-prizes to give away for participants.

GRADUATE STUDIES

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ETM Info-Reception Ad.indd 1 10/2/06 10:28:04 A

Roaches and Roller Coasters

By Katie Kocman
Staff Writer

Six Flags Elitch Gardens has announced a fall promotion for the annual Fright Fest. Starting Oct. 6, the theme parks will be transformed into "scream" parks. The theme this year is "Family By Day, Fright By Night".

An alternative to the terror ideas of previous years is to challenge guests to eat a live 3-inch Madagascar hissing cockroach. During nights of opening weekend, the consumption of a live cockroach will be the ticket to terror and the front of the line. If a guest completes the task, free line jumping privileges will be granted. Besides getting a FastPass for the rides, guests will also benefit because cockroaches are high in protein and low in fat.

In Gurnee, Illinois at Six Flags Great America, guests are being recruited to attempt to break the world record for most cockroaches eaten. Ken Edwards of Derbyshire, England, gulped down 36 hissing Madagascar roaches in just one minute.

On Friday October 13, the Great America theme park is inviting guests to attempt to defeat Edwards' record. The cockroaches will be baked, and the object is to eat more than 36 in just one minute. The record has stood for 5 years. If someone can beat the mark they will receive four season passes with VIP privileges.

PETA (People for the Ethical Treatment of Animals) considers the nationwide campaign to be unethical and has taken offense to the idea. Jackie Vergerio, PETA spokeswoman, stated, "We're asking them to cancel [this] gratuitously cruel practice, which is really just a tired gag from 'Fear Factor.'"

Even though cockroaches are not a normal part of the American diet, they are common in other diets throughout the world. Public relations manager for Six Flags Great America, Jim Taylor, was quoted on the issue saying, "They are a common part of a lot of other diets in the world, [and] we do eat some things in this part of the world that might be frowned upon in other parts of the world."

Health department officials caution that eating cockroaches could increase the risk of gastrointestinal illness and allergies. However, Six Flags representatives insist that adding a little "crunch" to one's diet is perfectly safe. Participants in this extravaganza will be required to sign waivers.

Homecoming Rockin Parade

YABBA from Page 1

Saturday begins with the Kiwanis Pancake Breakfast. Following that is the homecoming parade, one of the main events. Students are encouraged to come out and show their school spirit before the homecoming football game in the early afternoon.

There will be many floats in the parade, created by various organizations on campus. CSM's marching band will participate, stepping to time in their red flannels and hard hats.

At the game, set against New Mexico Highlands, the Queen and Beast of homecoming will be announced at half time. Students can vote all this week. Selection will be based 50% on student voting, 25% on campus involvement, and 25% on a faculty panel.

There will be a homecoming BBQ on the field after the game.

Astronomy Club
Ever watch the sky? Come join the Astronomy Club and learn basic astronomy! Our meetings are Thursday at 7:00 pm. Contact Mark Gefreh at mgefreh@mines.edu

CMI
Campus Ministry International. Dealing with life's tough questions. Sexuality, Relationship, Ethics, Spirituality and more. Monday nights, 7:30 p.m. SC-C. For info cmi.csm@gmail.com or (303)499-9965

CRU
Campus Crusade for Christ. Thurs. @ 8 in SC-D. Everyone welcome, join for worship @ 7 before meetings.

Circle K
Circle K is a volunteer org. helping people. Got tons of projects, just need you! Contact jrisner@mines.edu.

Dance Team
Interested in dancing? Offers both beginning and advanced classes in: jazz, lyrical, hip hop, and tap. Times & directions, for info contact hbrown@mines.edu.

FCA
Fellowship of Christian Athletes. Wed. meets at 7:30 Student Center Ballrooms D&E. All welcome. jwells@mines.edu.

French Club
A social club where Francophones have an opportunity to speak to each other, celebrate French events, promote French culture on campus. If you are interested, please send an email to kgengenb@mines.edu.

ISEE
International Society of Explosives Engineers. Contact jgresham@mines.edu. 6pm, 3rd monday of each month, exact date and location TBA (email for details). We have monthly meetings with speakers from many different industries. All students are welcome to attend meetings, www.mines.edu/academics/mining/csm_isee

Juggling Club
Meets Thursdays at 5:30pm on the Kafadar commons. The CSM Juggling Club is dedicated to advancing the juggling skills of all its members. We teach our members everything from a simple three ball cascade, to club passing, and then encourage them to learn upwards of nine balls. If you're interested, show up to a meeting, or contact Michael at mdunlap@mines.edu

Karate Club
Meets every Moday and Wednesday Night, from 6:30 to 7:00 pm in the gym wrestling room. All levels of experience, from beginner to advanced, are welcome! For more information, contact Jason Dardano at ddardano@mines.edu.

Kendo Club
Where: Field House
When: Wednesday, January 25, 2005 8:00 P.M. – 10:00 P.M.
Anyone who is interested should attend; we will provide all the information necessary. Practice is open to all skill levels, no experience necessary. A great opportunity to exercise, improve coordination, and have fun.

MSEC
Materials Science and Engineering Club meets Friday in HH 202 at noon. Lunch is provided for members, and guest lecturers will be speaking. All majors invited to join. jeperkin@mines.edu.

Newman Group
Catholic Newman Group. Meets every Monday at 7pm in the Ted Adams Room of the Green Center for faith based discussion and community. ccooper@mines.edu for more info.

ORC
Outdoor Rec. Center. Recreation, equipment and lessons. Visit ORC next to C3 store in Mines Park. Hours: Mon. Wed. and Fri. from 10-6, Tues. and Thurs. from 12-6. 303-273-3184

PHATES
Peers Helping Aid in Tough Everyday Situations. "We are listening..." Dedicated to listening to your problems. Mel Kirk, Student Development Center 303-273-3377.

PreMed Society
We meet the 1st and 3rd Tuesdays of every month at 5 pm in HH211. Contact wsvoboda@mines.edu.

SCA
Students for Creative Anachronism. Fencing meets Thrus. 7-9 in the Field House. Belly & court dance Tues. 7-9 in SC. dhoberec@mines.edu.

Sigma Lambda
1st and 3rd Tuesays of Every Month Student Center -- 236. EVERYONE WELCOME: gay, bisexual, transgendered & allies. sigmalambda@mines.edu.

Sober Drivers
Need a ride home on Fri. or Sat. night between 9 pm & 3 am? Kappa Sigma Sober Driver Program 303-279-9951. Must be within 15 min. of campus.

SEB
Society of Economics and Business. Meetings are held bi-weekly in EH 211 with guest speakers from the working world. The speakers talk about their experience and give insight into the real world of business. Food and drinks are provided at the meetings. Questions? Contact Sarah Casias at scasias@mines.edu.

SWE
Society of Women Engineers. Hear from speakers in industry, universities etc. on topics affecting women & students at Mines. Weds. 12 CO 209 jnekuda@mines.edu.

Club Tennis
New members welcome for info, email Megan at mshibao@mines.edu.

Women's Ultimate
Come out and join the Women's Club Ultimate Team. This team was founded in 2005-2006 and is looking for women who want to both have fun and learn about ultimate. No prior skill required. For more information and practice times/locations contact Terra Williamson at tewillia@mines.edu or Jennifer Nekuda at jnekuda@mines.edu.

Help Wanted
Not afraid of pick and shovel? *Little old lady needs help with her garden. Must plant tulips now, before snow flies. ASAP. Call 303.216.1931. $15/hr.

Writer needs a Mac guru.* Do you know everything there is to know about Macintosh? You're my guy. . .or girl! Call 303.216.1931. $20/hr.

Emergency Resources
All Life-Threatening Emergencies: 911
Public Safety
Public safety concerns, suspicious incidents, crimes & emergencies 1812 Illinois Street (NW corner of Illinois & 19th) 303-273-3333 24/7
Student Health Center
Routine medical and dental issues 1225 17th Street (SE corner of Elm and 17th) 303-273-3381 8 am -12 pm & 1 pm - 4:45 pm M-F
Student Development Services
Personal, academic, career, and crisis counseling. Student Center, Suite 8 (behind the Cashier) 303-273-3377 M-F 8-5
Jefferson Center for Mental Health
303-425-0300 24/7
National Suicide Hotline
Suicide and crisis intervention hotline 1-800-SUICIDE (1-800-784-2433) 24/7

ORC Trips

GOT MOAB?
October 13th-16th

Don't miss the chance to experience some of the best biking in the country! This trip is designed for beginners and intermediate bikers alike. We will spend most of the weekend biking however we will spend a little time exploring the amazing scenery of Arches National Park. The registration deadline for this trip is Wednesday October 11th at noon. This trip has a mandatory pre-trip meeting on the 11th at 9:00 PM at the ORC. Please bring your bike for a free bike safety check and learn all you need to know to be ready for the trip. This trip will depart from the ORC on Friday the 13th and return Monday evening. Cost is $40 and includes transportation gear (excluding bike rental) camping fees and entrance to the Arches National Park.

For more information visit us in the Mines Park Community Center (next to the C Store) or call us at (303) 273-3184 or check us out at www.mines.edu/stu_life/recsports/morc.

San Rafael Swell Canyoneering and Camping
OCT. 13TH - OCT. 16TH

Come explore one of Utah's greatest geological formations. We will spend the weekend hiking and camping in and around the breath taking San Rafael Swell. We will visit Goblin Valley State Park and play among the ghostly rock formations. We will send time hiking through narrow slot canyons looking for pictographs. Don't miss this amazing opportunity to spend time in one of Utah's most spectacular playgrounds. Registration deadline: Oct. 11th by noon. There will be a mandatory pre-trip meeting on the 11th at 8 pm. The cost for this trip is $40 and includes transportation, equipment, camping fees and entrance fees to Goblin Valley State Park.

Only $40

For more information visit us in the Mines Park Community Center (next to the C Store) or call us at (303) 273-3184 or check us out at www.mines.edu/stu_life/recsports/morc.

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It's a Big World Out There

Learn about study abroad options at Mines

By Jason Fish
News Editor

There is a great big world beyond CSM and it is much easier to get to than most students may think.

In the basement of Stratton Hall resides the Office of International Programs (OIP). While given only one room in the old building, OIP packs an eclectic wealth of information and opportunities for those interested in expanding their academic horizons, literally.

"This is an academic semester or year program designed for science and engineering students," said Kay Godel-Gengenbach, director.

Gengenbach, who took over the position in 1999, brings an ideal background for a study-abroad program. "I grew up with a great deal of international experiences. My father worked for the government and we traveled around a lot."

CSM turned out to be a good place for a thriving international studies program. "Mines was a perfect fit because of its policies on global connectivity and involvement abroad."

Many students think studying internationally is out of reach and more trouble than the worth. "Two big misconceptions are cost and the thought of wasting a semester or year," said Gengenbach.

OIP offers answers to these worries and other helpful advice to the potential exchange student. "It's really very easy," said Gengenbach. "Students can come in and talk to us. We take a look at their major flowchart to see what classes match and where would be best to go."

To begin the process, OIP requires a current academic transcript, two letters of recommendation, and a short completed application.

Another typical worry in the decision process is the quality of education at the foreign institution compared with CSM. "We look at rankings and how individual courses match with our ABET accreditation," said Gengenbach. "Also, at least two CSM departments and Academic Affairs must approve each school we look at."

"I have met so many people from all over the world with new perspectives, ideas, and lifestyles."

Going abroad, alone or in a group, can be intimidating. There are many issues to cover when spending time in foreign countries such as living, currency exchange, emergency procedures, and travel. "We help find housing for students who go abroad," said Gengenbach. "We also have a safety plan in case of emergencies."

OIP hosts several Study Abroad Fairs during the year and an Overseas Travel Preparation Meeting, usually during the spring semester. The next Fair will be during International Week (Nov. 13th – 18th). These events are meant to inform potential abroad students about the opportunities and the many "do's and don'ts" of international travel.

Currently there are several CSM students studying abroad. Michael Hoban, a junior in Mechanical Engineering is spending this fall semester at the Engineering College at Aarhus in Denmark. "My experience here in Denmark so far has been amazing," said Hoban. "I have met so many people from all over the world with new perspectives, ideas, and lifestyles."

While studying at Aarhus, Hoban plans to do some touring of the surrounding countries. "I am planning on traveling to at least Ireland, Finland, and Hungary before I leave."

At first glance, it may seem inconvenient and a far-off fantasy to study internationally. However, OIP provides great support and information as well as some myth-debunking for the curious student, adapting to busy schedules and ambitions in a flexible manner.

Gengenbach believes strongly in the importance of the study abroad program, especially as the world becomes more and more connected through globalization. "Today, in America even, you could be working for a foreign national company and a balanced global perspective is very important."

Picture of the Week

Chase Hoffman/ Oredigger

Mines cheerleaders receive some help during last week's game agains Oklahoma Panhandle State. Cheerleading is a club sport with eight squad members.

High Grade Call For Submissions

Due Nov 27, 2006
Requesting Poetry, Fiction, and Creative Non-fiction
Contact: highgrade@mines.edu

Teamwork, Homework, Waterworks

Geek of the Week

By Hilary Brown
Features Editor

Name: Phillip Wolfram
Major: Civil Engineering
Year: Junior
Hometown: Westminster, CO

What is your favorite activity or sport?

I don't know, I really like to read stuff. In high school, I played basketball...I love that game. I'm picking up tennis too. It's an interesting game because it's based on how well *you* play. In other sports, the important thing is how well your team plays together. It's an interesting concept, it's all you.

What's the geekiest thing you've done?

I thought about that, but I'm not sure what it is. In high school, I used my calculator to simulate a Spirograph program. I did it mathematically. It was fun. In college, I taught myself to program Java over the summer. I read eight math books this summer and I'm not even a math major! They were all about set theory and number theory.

What's the geekiest thing you've seen at Mines?

There should be lots of examples, but choosing just one...I would have to say people doing homework on Friday night. That's bad.

Ummm...

You sound guilty.

Just a little.

Everybody needs to take a break.

[Clears throat] Anyways, your thoughts on 'the ratio'…

[Laughs] I can't say "The Golden Mean" because that's what everybody says. I think girls are afraid to come to Mines to meet all these geeky guys who do homework on Friday nights.

Courtesy Phillip Wolfram

Wolfram takes a GPS point near an ancient Roman mill and aquaduct in France. He worked with the non-profit Wright Paleohydrological Institute

They tell me the ratio is increasing, which is good because women in engineering are important. I've worked at a firm and there are noticeable differences in the way men and women approach all sorts of problems. Women attack problems a certain way and men attack problems in a different way. I think that's important to the workplace. It's valuable and needs to be promoted.

What are your post-college plans?

I'm going to go to grad school somewhere, probably CU Boulder. Wait...don't print that, I've been changing my mind too much lately. I want to go to grad school and study water supply and waste water engineering, with the ultimate goal of entering the consulting business. I also want to promote water management in developing countries. More than half of all health-related diseases are caused by poor water. Most of the contamination is raw waste. There are microorganisms that make people sick, that's a field of study in itself because there are so many types. In the future, you can always change your food supply, but water's essential. You can't drink gasoline.

What's your best geek joke?

So there's this guy in upstate New York who likes to go to the horse track to gamble. This guy, he's a thinker, an entrepreneur, and he wants to increase his profits so he visits his physicist friend. "I've got this problem," he says "I need to know which horse is going to win next Saturday at the races.

"I read eight math books this summer and I'm not even a Math major!"

The friend looks at the problem and replies, "Well, you've given me about a week to solve this problem, I can do that," and starts working. The gambler comes back a few days later and the physicist is ready with the result. "Okay, you bet on Big Daddy. Big Daddy's going to win the race."

The man goes to the race, places his bet, and the horses line up. As they are released from the gates, Big Daddy starts out strong. But, he slows down, and, a few minutes later, slows down even more and finishes second to last.

The gambler is very disappointed and visits his physicist friend. "What went wrong? I just lost all of my money."

The physicist replies, "My calculations are correct. You can look at them if you want." He hands a sheet of paper to the gambler. "You see, I started out with a spherical horse..."

What's your favorite IM acronym?

[Laughs] Acronym, who needs that? You can use numbers to write everything. Actually, I don't use AIM anymore.

What is the coolest thing in science? Ever.

It's got to be electromagnetism. It's so broad, but it opened up a whole new world to people. Cell phones, computers...Without electromagnetism, we'd be in the Stone Age, literally.

What is your favorite math 'thing'?

That's tough. The Riemann Hypothesis because it has sat there for hundreds of years and great minds can't solve it. If you could prove it, you'd be the mathematician of all time. The other is the Law of Omega. It says that in order to know something completely, you have to have all of the information in front of you. But, that's too much to know, so we use simplifications to make the world understandable.

BEER!

By Chase Hoffman
Asst. Editor in Chief

The Great American Beer Festival... what makes it so great? Many things, my friend. There's the atmosphere, the costume, the sheer size of the room, and the beer. Breweries from every nook and cranny of this nation gathered to allow other to sample their sweet nectar at the Great American Beer Festival in Denver. Even restaurants in small remote towns came to showcase their suds.

The first great thing is the line. It took nearly 10 minutes to walk to the end of the line and it was extremely wide. Once inside, a person could get lost inside the convention center. Wandering aimlessly and happily with my 4 ounce sample cup, I tried beers from every region. North Carolina, California, Alaska, Illinois, Missouri were just some of the place I remember sampling from.

Aside from the beer, there was beer pong and pool. In the center, there was a cooking demonstration using beer in the recipe. Unfortunately, the samples were quite small since there were about 30 people watching. After eating the smallest burger and smallest salad of my life, my eyes were opened to a whole new cuisine.

As you walked along, you could hear roars from the crowd in all directions. When anyone ever dropped their sample cup, a chorus of "OOHH!" would follow. Surprisingly, this happened about every two minutes. What a bunch of alcoholics...

What about the winners? Here at the Great American Beer Festival, there are 69 categories with gold, silver and bronze medal winners. I didn't realize that Pabst Blue Ribbon, in fact, won a blue ribbon.

Supporting Women Engineers? SWE-et!

By Chris Phillips
Asst. Business Manager

Imagine forming a professional organization here at the Colorado School of Mines. You would have meetings with food, speakers, and discussion. All of your members would be striving to earn engineering degrees. You would be seen around campus in various classes, buildings, and other groups. Pretty typical, huh?

Well, try having such an organization that represents 25% of the student population and is 95% female. Do those (and more) and you may be accused of trying to form a copy of SWE.

SWE, or the Society of Women Engineers, is a professional society that supports women in the male-dominated engineering world. Started in 1950, SWE first came to CSM in the late 1970's, according to Candace Sulzbach, the SWE Faculty Advisor. In 1981, the CSM SWE section consisted of four to five students accompanied by three faculty advisors. Today, the Mines SWE section is made up of over 285 students with two faculty advisors, the fourth largest in the nation.

The SWE of today is alive and vibrant both at Mines and in the community-at-large. Shannon McNamara, the Outreach Coordinator, explained that SWE has two annual outreach projects – SWE-ET Links and Girl Scout Badge Day. SWE-ET Links stands for SWE-Engineering and Technology Links and is, according to McNamara, "a module program to introduce younger girls to engineering".

Courtesy CSM SWE
Women meet potential employers at SWE's Evening With Industry

The program provides members the opportunity to reach out to 8th grade girls in the Denver metro area through the designing and teaching of one hour modules that allow the younger girls to explore how engineering relates to everything from cooking to flashlights to daily events.

Girl Scout Badge Day provides SWE members the opportunity to generate interest in science and engineering for the Denver-area Girl Scouts. The girls receive the opportunity to receive five merit badges, four of which are unique to CSM's SWE Section.

"SWE is a professional society that supports women in the male-dominated engineering world."

SWE also provides opportunities for their members to grow professionally and personally. The professional development of SWE is highlighted by the annual Evening with Industry that is held every fall the night before the career fair.

According to Sulzbach, the success of this evening has been increasing significantly over the past few years. This year the dinner drew 150 students, 150 company representatives, and 25 special guests.

Another major aspect of professional development within SWE is the large number of speakers that they invite to come to their weekly meetings. Representatives from many different areas of engineering have come to speak to the members.

Other speakers have included, "rehabilitation experts from the Olympic Training Center, public safety officers, motivational speakers, and other health speakers," said McNamara.

With all of these benefits, one may be asking how you go about joining SWE. They don't require the passage of any tests or any form of an initiation period.

There are a few requirements, though: (1) You need to be pursuing an engineering degree (any kind will do), (2) you need to show up to a meeting, and (3) you need to pay the $20 membership dues which cover several things (including lunch every week). Also, guys are welcome to join the club as long as they make up less than 25% of the club membership. Because, as President Jennifer Nekuda said, "[SWE] is not only for women in engineering, but for supporting women in engineering."

Another Round, Please

Javier Gonisen/ Oredigger
Staff Reporter Javier Gonisen attended BeerFest last weekend to enjoy the sights, sounds, and, of course, the beer. There were a variety of activities for beer-lovers, including taste-testing.

A Time for Transitions

Students adjust to Trailhead environment

By Zach Aman
Editorials Editor

Imagine a portal that houses all information related to your academic world. Now, imagine this future being built today.

Last semester, many Mines students had difficulty adjusting from SIS (Student Information System) to Trailhead for registration, but most felt that Trailhead was a new face for the same demon. Others failed to see the logic in forcing an entire population to relearn the registration process. However, after speaking with Ginny Lee, one of the Trailhead Portal Managers, the story of Trailhead is only beginning to unfold.

Zach Aman/ Oredigger
Ginny Lee works to make Trailhead accesible and useful.

"Trailhead is a portal. Portals, in general, are supposed to be a place for individuals to configure things to get access to the things they need. Trailhead is a portal in that it accesses campus services," said Lee.

Unlike SIS, Trailhead is not limited to Banner (the student registration and class information system). Currently, Trailhead contains a calendar, CSM group forums, and Banner access within it and is linked to Webmail, Blackboard, and other resources. In the future, however, *all* of these systems will be integrated into Trailhead.

"Initially, Trailhead was brought on as access to Banner, but there's so much more we can do. We want Trailhead to access e-mail, Blackboard, and other kinds of systems that people have to remember a username and password for," explained Lee.

Although there is no definite timeframe for the complete integration of these services, Trailhead will eventually provide a universal login for CSM students – one location for every service on campus. Ergo, Trailhead won't re-route a user to Webmail whereupon they must login again; the inbox will be built in, much like Yahoo! and Google.

In addition to Banner access, Trailhead currently offers the Portal Calendar and CSM Groups. The calendar – also integrated into the Trailhead front page – is able to import and export events in iCal (Apple) and xml formats; a "sync-ing" ability for the calendar is in the planning stage.

CSM Groups – brought online this semester – offers access and membership to campus groups such as clubs, Greek organizations, student organizations, and courses. CSM Groups offers what Facebook and MySpace cannot – exclusion; only Mines students and faculty are allowed to be a part of CSM Groups.

When asked about the sobriquet Trailhead, Lee responded, "This is the Trailhead for your academic pursuits – it's the idea of a journey."

Continual updates on Trailhead innovations can be found online at: http://www.is.mines.edu/LINK/Gen_newsletter.asp.

DID YOU KNOW?
Trailhead has:
*Calendar
*CSM Group Forums
*Banner access
*Links to Blackboard and Webmail
*Updates available online

Treasured History

Exchange student visits Spanish market

By Javier Gonisen
Staff Reporter

The 5th Spanish Market at The Fort in Morrison was held on Saturday Sept. 23 and hosted by The Tesoro Foundation.

As a Spaniard, I had to check it out and see how it was, but before getting there we had a little stop by Red Rocks, where there is a great amphitheatre. I heard that Colorado´s name comes from there and "Colorado" means "red" in Spanish.

Javier Gonisen/ Oredigger
A wooden "Santo" displayed during the Spanish Market. It is part of the Regis University collection. The Spanish Market was held at Ben'ts Old Fort.

It was awesome because you could see Denver from the top of the amphitheatre and you stand between those fabulous rocks. People have told me that there is great sound quality when you are in a concert over there. I would like to go to one; I should hurry because it is getting colder.

The Fort was five minutes from Red Rocks, in Morrison. In 1962, Sam Arnold built a scaled adobe replica of Bent's Old Fort (1833-1849) in the foothills southwest of Denver. Originally, this fort was to be his private home. As construction costs mounted, he decided to turn the replica into a dining establishment serving foods of the Bent's Fort period.

The Tesoro Foundation's vision is to use Bent's Old Fort as a model to organize historic and cultural events and re-enactments of the early 19th century. Bent's Old Fort was an international trading center for the French, British, American, African American, Mexican and Spanish settlers, as well as native tribes including the Arapahoe, Ute, Cheyenne, Kiowa, Lakota Sioux and Pawnee.

The Tesoro Foundation (Tesoro means "Treasure" in Spanish) is committed to protecting and making available to the community the artistic treasures of the American past. From art and cuisine to historical re-enactments and music, the Tesoro Foundation's mission is to create community-based events and educational outreach programs designed to enrich and celebrate our cultural heritage.

When I entered the Fort, there were many "Santos" (Saints), which are part of Regis University's rare collection. There are more than 700 items and the collection focuses on the nineteenth-century "wooden Santos" of northern New Mexico and southern Colorado, but it includes a wide variety of sacred images from many places and times, especially contemporary.

In the back of the Fort, there were traders and fur trappers displaying and selling goods and wares that were essential in the Early West. There were also historically accurate camps and trading posts, where I found several kinds of hats and utilities. I even tried to cut wood.

For more information visit:
www.tesorofoundation.org
www.thefort.com

Arriving Shortly

A preview of the movies you are dying to see.

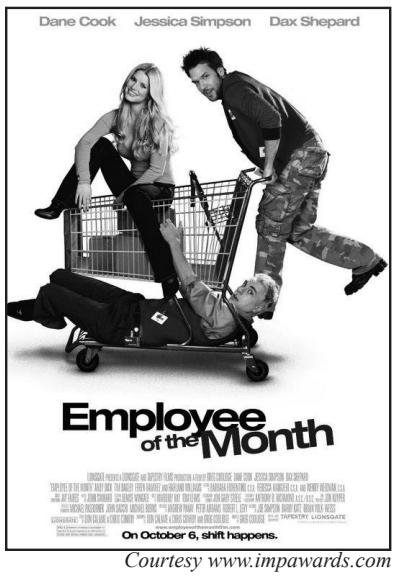
By Chase Hoffman
Assistant Editor-In-Chief

Release Date: October 6th

The Texas Chainsaw Massacre: The Beginning
New Line Cinema
Horror
Rated R

Starring: Jordana Brewster, Matthew Bomer, Diora Baird
Directed by Jonathan Liebesman (also directed *Darkness Falls*)

Summary: Two guys taking a road trip with their girlfriends before they serve in Vietnam get into a car accident. Stranded, they find a house where the nurturing of a mass murder is taking place



Courtesy www.impawards.com

Impression: Honestly, this prequel is a lame attempt by New Line Cinema to have a horror flick in October. I imagine that even if you like the original series you would be disappointed here.

Employee of the Month
Lions Gate Films
Comedy
Rated PG-13

Starring: Dane Cook, Jessica Simpson, Dax Shepard, Andy Dick
Directed by Greg Coolidge

Summary: Two workers (Cook and Shepard) for a Costco-like store hear that the new employee (Simpson) will sleep with the employee of the month. These slackers turn into model workers in an outrageous competition.

Impression: The plot is a simple, but that could be a working combination with Dane Cook's unique style of humor. Very recommend for a laugh during the horror flick season.

The Departed
Warner Bros. Pictures
Action/Drama
Rated R

Starring: Leonardo DiCaprio, Matt Damon, Jack Nicholson, Mark Wahlberg
Directed by Martin Scorsese (also directed *The Aviator*)

Summary: Boston State Police send in an undercover agent (DiCaprio) into Frank Costello's (Nicholson) crime syndicate. While 'inside,' he learns of a mole within the state police working for Costello.

Impression: All-Star Cast + Award Winning Directed + excellent plot = Exceptional and inevitable Oscar winner.

Release Date: October 13th

The Marine
20th Century Fox
Actoin
Rated PG-13

Starring: John Cena, Kelly Carlson
Directed by John Bonito

Summary: A marine (Cena) comes back from duty to find out his wife has been kidnapped.

Impression: This has to go up there with *See No Evil*, no one will even bother to see this. Also, I have a suspicion that Hollywood isn't the only one giving the fianicial backing here. Expect purified crap.

Man of the Year
Universal Pictures
Comedy
Rated PG-13

Starring: Robin Williams, Christopher Walken, Laura Linney, Lewis Black
Directed by Barry Levison (also directed *Good Morning, Vietnam* and *Wag the Dog*)

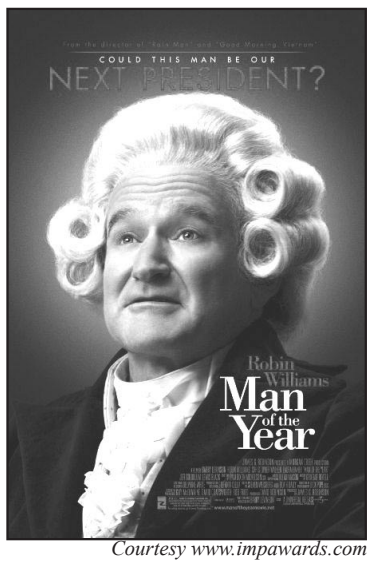
Summary: Tom Dobbs (Williams) is fake news host who jokingly runs for president. In a freak outcome, he wins. Now, a comedian is at the helm of the free world.

Impression: This is another combination of a great cast and a talented directed with a good story plot. Not only should this be hilarious, but there should be an element of cultural commentary in there.

Grudge 2
Columbia Pictures
Horror
Rated PG-13

Starring: Sarah Michelle Gellar, Amber Tamblyn, Edison Chen, Arielle Kebbel
Directed by Takashi Shimizu (also directed *The Grudge*)

Summary: Aubrey (Tamblyn) travels to Tokyo to visit her sick sister (Gellar). She's intrigued and mystified about this curse that afflicted her sister.



Courtesy www.impawards.com

Impression: This is not even new, it's simple the same damn movie as before except they replace Gellar with some other chick. But don't hold a grudge against the first movie, make up your own mind and see it for yourself.

Courtesy www.impawards.com

Reel Geek

A film geek writes about geeks on film.

By Jen Schneider
Guest Columnist

Usually in this column I review films that my students recommend, and I recommend a classic or cult film for them to see in return. I'm not teaching my class "The Scientist and Engineer in American Film" this semester, but I know if I was, my students would have insisted I see *Jackass 2*. Below is a review of this film, followed by a review of a classic. And I'll be teaching "Introduction to Film Studies" in the spring, so make sure to keep an eye out for more "Reel Geeks" then!

My Students' Pick: *Jackass 2* (2006)

So, seven-week-old Nolie and I went to check out *Jackass 2*. The incessant hype on MTV had me trying to figure out why the *Jackass* franchise has been so successful—I mean, it's really just a bunch of unshowered, semi-punked out guys making fairly elaborate fart jokes and knocking each other in the nuts.

But here's what I think. I think these movies are watchable because they force a range of reactions on the viewer. Some of the stunts are funny, funny in the slapstick tradition, funny usually involving a shopping cart and a ramp of some sort. But the films aren't really comedies. More often, they elicit an uncomfortable laughter, a cringe, disgust.

For example, most of the stunts showcase the ability of these men to inflict and receive pain (if you don't know Steve-O's most famous stage trick, I'll let you Google it and find out, to see what I mean). Some are just gross-out disgusting. These usually involve poop. In this newest movie, there is also a particularly troubling skit involving a stallion. Enough said.

But then there is the psychology of the whole thing. Why do these men do these things to themselves and each other? Why risk being gored by a bull? Strangled by a python? Shot by a taxi driver? *Jackass 2* hints more at answers to these questions than the first film did. The guys laugh, but it's a hoarse laughter, laughter in the face of death (or in the face of a beer bong headed for your whats-it).

What's interesting to me about the movies is how the stakes just keep getting higher for the guys. At one point, Bam Margera says he hopes there won't be a *Jackass 3*. I can see why. Is that why we keep watching? Because we want to see how far it will go? Because the society of the spectacle encourages us to always one-up ourselves, to get bigger and better?

So what's your favorite stunt from the movie? I liked Spike Jonze commando-nudist assaults, and Nolie liked "The Bungee Jump" the best. Email me at jjschnei@mines.edu with yours, and I'll post the results in the next column.

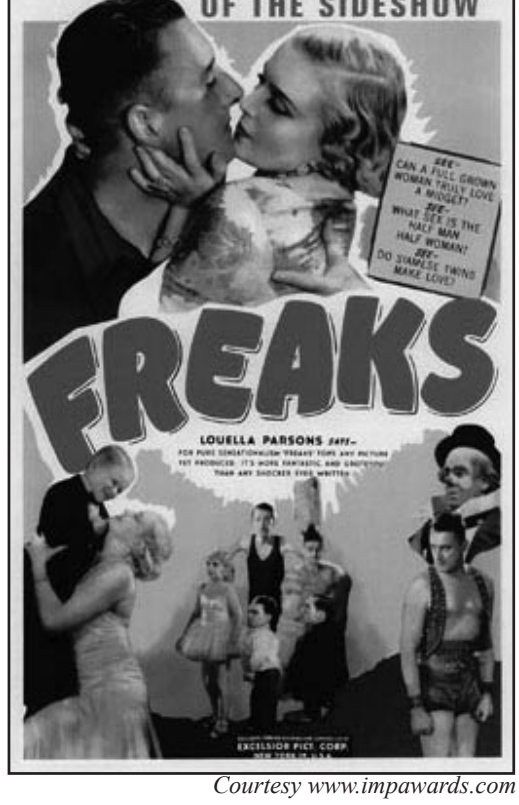
My Pick: *Freaks* (1932)

It wasn't easy figuring out what to recommend as a companion film to *Jackass 2*, which was really made possible by the fairly recent, explosive popularity of reality television.

I finally settled on the 1932 Tod Browning film *Freaks*. The film stars the performers in a circus sideshow; one of these, a little person, falls in love with a woman of average height and good looks. She, evil of heart, allows him to woo her so that she may abscond with his inheritance. Things do not end well for her, and she finds herself surrounded by "freaks," uttering "One of us! One of us!"

The plot of *Freaks* doesn't share anything of substance in common with *Jackass 2*, and it's not a documentary. But these films do both highlight the importance of film as *spectacle*. In *Jackass 2*, we are encouraged only to observe, to participate in the pain and gross-ness of stunts without actually having to risk anything ourselves, except maybe an upset stomach. In *Freaks*, Browning settles the camera on his circus freaks for long, disconcerting moments, also forcing us to watch. There is a voyeurism that happens in both films: the viewer is directly interpellated, asked to witness and judge while protected by the distance of the screen. In that sense, we can freely stare at "jackasses" and "freaks" without fear of impoliteness.

The difference, of course, is that the jackasses choose to be objects of our gaze, choose how they will be depicted, choose their freakishness; the "circus freaks" do not.



Courtesy www.impawards.com

Out Of The Ground And Into The Sky

A Brief History of Denver's Own ~ The Fray

By Scott Bromley
Entertainment Editor

Four years ago, lead vocalist and pianist Isaac Slade for The Fray, tired and frustrated with very limited success, said in an interview that if anyone is thinking about becoming a musician they shouldn't. Said Slade, "If you have the ability to do anything else besides being a musician, do it." Last Saturday, The Fray headlined an epic sold out show at out local and legendary venue, Red Rocks Amphitheater. This put them on the same level as artists such as Incubus, U2, and Dave Matthews Band, who all have recorded live albums at the venue. What a whirlwind the band has been through in four short years.

Courtesy www.thefray.net

The Fray have become one of the biggest bands of 2006 with their freshman record *How to Save a Life* quickly approaching platinum status and their tour selling out nealy every venue they have been booked.

The band was founded in 2002 when old friends Slade and guitarist Joe King unexpectedly ran into each other and decided to get together to jam to see what developed. Isaac's old band mates Ben Wysocki and Dave Welsh were so impressed with the music they came up with that they decided to get back together with Slade and summed up the foursome.

After toughing it out for a few years in the local music venues, local radio station 93.3 KTCL became interested and featured them on Alf's Local's Only radio show on Sunday nights. After a few months of heavy airplay, Channel 93.3 put them on a ticket with Denver's Love .45 and invited numerous record executives to the concert.

Its a fairy-tale story of a local band receiving enthusiastic local press and local radio support leading to a big record contract. In recent times with huge record company conglomerates and no one willing to take a chance on a local band, its a story that has nearly disappeared.

> **"The grassroots is where music lives and breathes, where it finds its energy and its passion."**

Epic Records expressed interest in the band and The Fray signed their first big record deal on the stage of Boulder's famous Fox Theatre in 2004. Most of the band's widespread success following the local fame can be largely attributed to the internet. Overnight, the band's music traveled across the country through blogs, social sites and music forums. The first single released from the band's virgin record, titled "Over My Head (Cable Car)," was streamed on MySpace over 1 million times in one month. The online music store iTunes has contributed to the band with the recently released the iTunes-exclusive live bootleg album "Live at the Electric Factory."

Television has also rapidly spread The Fray's influence. The Fray has become one of the most licensed bands of 2006, being featured on numerous TV shows including Scrubs, Grey's Anatomy, NCIS and One Tree Hill, as well as a recent HBO spot.

The band was paid a huge compliment when they were compared to bands like Coldplay and Radiohead for their tasteful piano and mysterious, wispy melodies.

It appears the band has come full circle; where they once were the small opening band, they now headline every show they play. Where they once drove around in van, they now have a luxurious tour bus and look down at their opening bands getting into their Econolines heading to the next venue.

If you haven't caught a Fray concert, you'll have to be patient. They are heading overseas for a short international tour. But, don't worry they will be back next summer for another US tour, and you can bet that they will make a stop back in Denver.

Coming Soon...

-Flogging Molly comes to The Fillmore on the 3rd for their college tour.

-New Found Glory plays The Ogden on the 17th, and Switchfoot plays there on the 23rd.

-Bob Dylan comes to Denver for a sold out show at the Fillmore on the 24th.

-Homecoming Festivities start this Friday, the 7th.
-Powder-Puff
-Chili Cook-off
-Games and Prizes on the IM Fields

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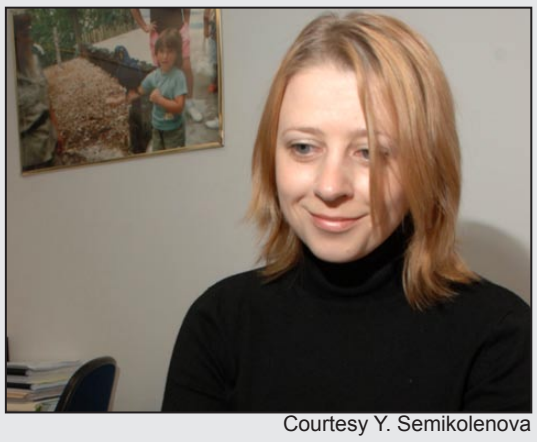

Courtesy Y. Semikolenova

Yadviga Semikolenova

A great thing about the reputation of Mines is the attraction of faculty internationally. Yadviga Semikolenova comes all the way from Simferopol in Crimea, Ukraine. However, she studied in the states at the University of Pittsburgh where she got her PhD in Economics. Her degree sounds simple, but she specializes in all different aspects of the field like Applied Microeconomics, Energy Economics, Industrial Studies, and Post-Socialist Transition to name a few. She currently teaches an Energy Economics, a 300-level course, which is popular amongst PE majors. Her off-duty interests display her international side with her love for foreign films and salsa dancing. As far as her expectations of Mines, she said with a smile, "All of my expectations have been surpassed."

Anthony Petrella

To further enhance our engineering department, Anthony Petrella comes to Mines to share in his knowledge of the field of bioengineering. He is from South Bend, Indiana, but studied at Purdue and University of Pittsburgh. Specifically, his specialty in bioengineering is biomechanics while also harboring a specialty in Finite Element Methods. He, now, teaches *Computer Aided Engineering*, a senior level course in the Engineering department. His research pertains to musculoskeletal biomechanics, computer assisted orthopaedic surgery and spine biomechanics. To further the school's interest in this field, he hopes to teach a new course for next spring called *Computational Biomechanics*. Like many of us in Colorado, he enjoys mountain biking, snowboarding, hiking. But unlike many of us, he enjoys building wooden boats, cabinet-making and even furniture construction.

Courtesy A. Petrella

Courtesy A. Flournoy

Alex Flournoy

Since the Physics department has grown so much lately, the faculty has also grown. Meet Alex Flournoy. He comes from Forest Park, Georgia and he received his BS in Physics at Georgia Tech. Later on, he came to Boulder where he got his PhD in Physics at CU. Probably the most unique of all specialties, Alex is an expert in String Theory. However, he only teaches Physics 100 right now. Later on, he hopes to teach a String Theory course or maybe even a course in General Relativity or Cosmology. Outside multi-dimensional research, he enjoys running, swimming, biking as well as art, music and reading. He noted that students at Mines "have perfected the art of unwinding, a very important skill for students who work this hard, [which is] almost as important as Bo Staff skills."

Courtesy R. Ayers

Reed Ayers

Mines attracts people near and far and Reed comes locally from his hometown of Denver. Working in the MME department, He teaches a graduate course called *Introduction to Biocompatibility*. Oddly enough, he received his BS, MS and PhD degrees from Colorado University in Aerospace Engineering. His specialty is the study of bone engineering specifically in craniofacial reconstruction. For those of you who don't know Greek, that refers to the rebuilding of the head and face. To accomplish this, he said, "I am developing multiphasic bioactive calcium phosphate materials." When he's not building new mutliphasic what-cha-ma-call-its, he competes in the Three Day Event, a sort of "triathlon" of horse racing. The first day is dressage; the second is cross-country jumping; the third is stadium jumping, for the others who don't know their equestrian sports.

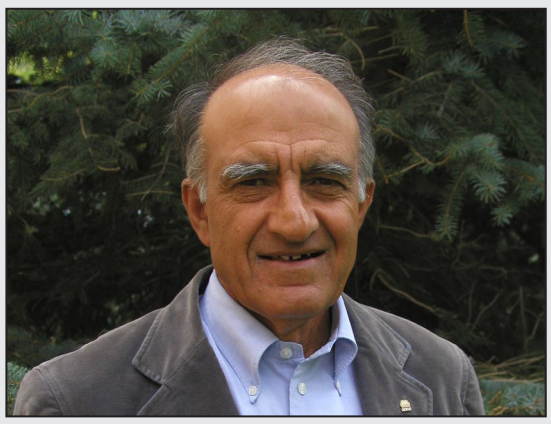
Rose Pass

Rose comes from New York where her hometown is Cheektowaga and she studied English at Boston College and the State University of New York at Buffalo. Uniquely, her main interest in her field is interdisciplinary aesthetics, which is a relatively new field dedicated to the study of aesthetics all things including things not necessarily called "art." She recently became a lecturer for Nature and Human Values, a course everyone takes. If given the opportunity, she would like to introduce a new course about biographies and autobiographies. Outside of school, she enjoys cooking, singing, playing music and the occasional scrabble game. When asked about what surprises her most about CSM, she said, "The generous collegiality of fellow faculty, unsurpassed by any other teaching experience I've ever had in my career."

H. Vincent Kuo

A new addition to the Physics department is Vincent Kuo. He was born in Taipei, Taiwan, but he grew up in St. Paul, Minnesota. He studied at the University of Minnesota where he received his BS and MS in Physics and his PhD in Curriculum and Instruction. Naturally, his special field is Physics Education Research. Later on, he might teach Solid State Physics or even a special topics course that involves Pedagogy and current issues in educational research. Outside of classes, he takes parts in a variety of sports such as softball, golf, skiing, hockey and fishing.

Chase Hoffman/ Oredigger



Courtesy D. Winn-Bower

Hossein Kazemi

One of our most notable departments, Petroleum, has increased their staff like many others. Hossein Kazemi comes to us locally form Castle Rock, but he studied at University of Texas in Austin where he received his BS and PhD in Petroleum Engineering. His research focuses on fluid flow of reservoirs particularly for naturally fractured ones. Distinctively, he is researching mutli-scale simulations to accommodate very fine-scale flow features in reservoirs, accurate transfer function for fracture-matrix flow, and geomechanics in creating new open fractures to improve oil and gas recovery. He teaches along the same lines as his research with Reservoir Simulation I and Simulation of Naturally Fractured Reservoirs. On his off days, he coaches youth soccer. When asked about what he finds to be surprising here at Mines he said, "[There is a] lack of adequate funding for hiring world class research faculty."

Andy Herring

To keep our campus cultured, the chemical engineering department hired Mr. Herring. He comes from across the pond where he grew up in Middleborough and studied at Leeds University. The real reason he came over wasn't culture, but fuel cell research and teaching. Next spring, he will be teaching a class specifically about fuel cells. Right now, he researches new membranes for hot and dry Polymer Electrolyte Membrane (PEM) fuel cell operation, new electrocatalysts for carbon monoxide tolerant PEM fuel cells and clean biomass thermochemical conversion to fuels. When he's not researching the newest methods to alleviate dependency on fossil fuels, he plays the flute or the tin whistle. Athletically, he enjoys Nordic skiing, bouldering and peak bagging. When he was asked about the most surprising thing about our campus he said it was "how fast the campus is growing."

Courtesy A. Herring

Hilary Brown/ Oredigger

Linda Battalora

Originally from New Orleans, Linda Battalora is no stranger to Mines. Neither is she new to the Petroleum Engineering department, she studied Petroleum Engineering here and ultimately received her B.S. and M.S.. She acknowledges that the most surprising thing about Mines is "the changes on campus since I was a student." After completing her degrees here, she returned to New Orleans to study at the Loyola University School of Law and earned her J.D.. Her specialty is Petroleum Fluids and she teaches two classes for the department, *Petroleum Reservoir Fluids* and *Petroleum Engineering Seminar*. The second class focuses on writing and oral skills. Upon returning to Mines, she was looking forward to teaching. She has a six-and-a-half year old Boston Terrier named Lilly, whom she loves to walk in Washington Park. She also takes ballet classes and swims in her free time.

The Oredigger Editorials

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The Oredigger is a designated public forum. Student editors have the authority to make all content decisions without censorship or advance approval.

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Spotlight: No Child Left Behind Anniversary

Protecting the Institution

By Rick Barnes
Staff Reporter

"These reforms express my deep belief in our public schools and their mission to build the mind and character of every child, from every background, in every part of America. " - George W. Bush

In January 2001, just three days after being inaugurated as the President of the United States, George W. Bush put forth his idea for a complete reform of the public education system. This reform, known as the No Child Left Behind Act, is what Bush considered "the cornerstone of my Administration." Just a year later, this act was passed in congress and set into action.

This act is based on four pillars, standards for the education system to meet: Stronger Accountability for Results, More Freedom for States and Communities, Proven Education Methods, and More choices for parents. School districts are now held accountable for their results, and must meet federal standards of achievement. Based on their results, they are given a ranking by the federal government. Each district is given more freedom with the funding they receive from the government. They are given the option of where they wish to allocate their funds, whether it be increased teacher salary or pushing more money into reading programs for disabled students. All teachers in core subjects must be certified, have a college degree, and be proven in their field. The methods for teaching have been researched and are backed by the federal government. And, lastly, parents have a choice of where they want their children to be educated. If a school is ranked low, then a parent has the option to have their child transported to a higher ranking school at no charge to them. Also, low ranking institutions must offer tutoring, after-school services, or summer school for their students.

Since this act was passed, the funding for states has been increased to $54.4 billion, an increase by 29%. $250 million in 'Math Now' programs has been allocated, to make sure that all students in the United States can pass algebra. Also included is $90 million for expanded Advanced Placement programs in math, science and critical foreign languages, in which grantees will match funds two-to-one. In Colorado, funding has increased by 86.1% since Bush took office in 2001. In 2006, $243.6 million has been given to meet the reforms of the No Child Left Behind act.

Between 2002 and 2005, in Colorado alone, fourth-grade reading proficiency increased by three percentage points. Fifth-grade math proficiency increased by eight percentage points. These gains have helped more Colorado school students to meet national standards in testing and comprehension. "Colorado's public and private schools have made big strides when it comes to the percentage of students earning top scores on Advanced Placement exams that provide high school students with the opportunity to earn credits or be placed in higher-level courses at many colleges and universities…. More than 16 percent of Colorado's high school graduates in 2004 earned a 3 or higher on AP exams. Just 10 states had higher percentages of students earning 3's. The national average was 13.2 percent." (Rocky Mountain News)

The No Child Left Behind act has made our public school systems more readily aware of the learning curve America faces in the world. It has pushed our school systems to better educate the youth in our country. President Bush realized the shape our education system was in, and made a strong step in the right direction. The betterment of our school systems will only help to make the United States a stronger country in the future, and allow us to create a brighter youth. Thanks to the No Child Left Behind act of 2001, more students will make it to the place that we already have – a great education at a top institution in the United States.

Next Issue:
Abortion Debate
oredig@mines.edu

A Failure From Day One

By Zach Aman
Editorials Editor

NCLB was *originally* intended to create national education standards, so all schools – regardless of type or location – would be set on a level playing field. Whilst this conception originally appeared to be noble – it has slowly deteriorated to show the ghastly face underneath.

Allow me to begin by examining a few of the original fallacies behind the legislation. First, a national standard works beautifully on paper but fails miserably in the classroom. We'd like to believe that all Americans are equal but lets face the facts – they *aren't*; a child from Alabama is going to have a much more difficult time than a child from Colorado when it comes to advanced algebra. Contrary to many arguments, I do not believe this comparison to be a product of genetic mutation, but rather an example of the impact of location and funding on the process of education (perpetual through the generations).

Secondly, the legislation was written so that all children (which we have just acknowledged as inherently dissimilar) will be tested by the standards of their respective state exams (which are determined by the state). Unfortunately, the state exams are – and have no way of being – comparatively scaled to the children of that state (i.e. a more difficult exam for Colorado children and an easier exam for Alabama children). Thus, we see states setting arbitrary bars that have little – or nothing – to do with the intellectual ability of their respective children. If we take the comparison of Texas and Michigan, we see that the 12th grade Texan exam is roughly equivalent to the 8th grade Michigan exam, yet more children are considered "proficient" in Texas than in Michigan. Anyone who has traveled to either of these states knows that the truth is a polar opposite to these statistics.

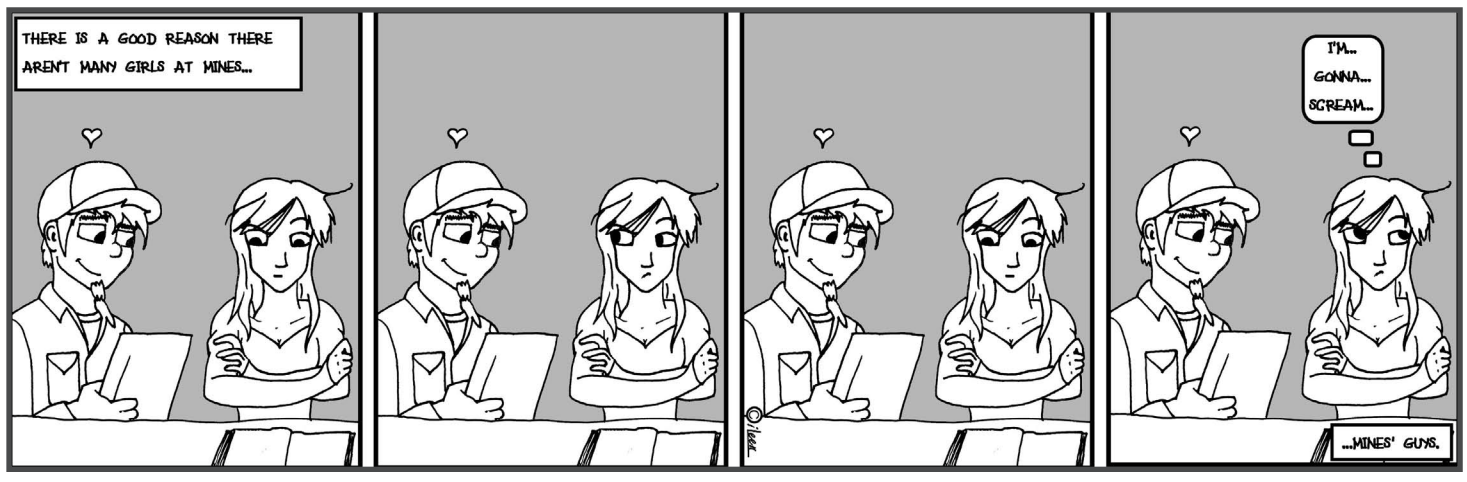
Thirdly, and on the subject of statistics, the proficiency numbers that George based NCLB off of were taken from a school district under the supervision of Rod Page – the Secretary of Education from 2001-2004. As it turns out – and knowing the Bush Administration the only way it *could* turn out – the numbers were falsified. That's right folks, a Texas school district cheated and a piece of national legislation was based off it.

Fourthly, NCLB is designed so that schools labeled "failing" (they don't have a high enough percentage of students passing their state exams) are put on a three-year action plan. If they fail to improve after the first year, funding is cut. If they fail to improve after the second year, funding is cut further. If they fail to improve after the third year, they are shut down. Anyone in the education business will tell you that the number one necessity to educate kids is money. Solid curriculum and loving teachers are requisite, but without money the bus comes to a screeching-ass halt. It is completely counter intuitive to cute the lifeblood of schools because they aren't performing well enough; it's comparable to taking away medicine because a patient isn't recovering well enough. Also on the note of money, the federal government promised nine billion dollars to school districts in the first year alone for the increase in education standards. They delivered almost zilch and the school districts were left to fend for themselves.

Now, let us look at where NCLB stands today. When I look around the local community, I don't see any of the elaborate clauses in the eleven-hundred-page legislation. What I *do* see is schools closing, children being shuffled around their districts, and parents losing hope in the system. What I *do* see are many school districts that are no longer capable of surviving. What I *do* see is a piece of legislation that has single-handedly crippled the most quintessential institutions of America.

When I encounter the few remaining Americans that support this legislation and this president, I feel disappointment. I feel disappointed that the American public should be so stupid as to be sold a distorted bill of goods hook, line, and sinker. I feel disappointed that any individual should be so careless as to not consider education – the very thing that has enabled him or her to think at a higher level – a top priority for this country. Finally, I feel disappointed that someone would continue to support this legislation when – after five years of *experimentation* – hundreds of schools have been shut down, thousands of kids have been displaced, and the *real* facts show that NCLB is a complete failure.

Mines Goggles



CSM Student Perspectives...

"How do you feel about No Child Left Behind?"

Rebecca Johnson

"It forces teachers to a standardized curriculum that doesn't meet individual needs."

Kelly Jones

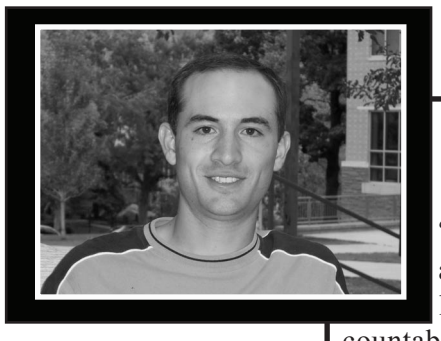
"The federal regulation of something that is local is a bad idea."

Brady Nunn

"I'm up for educational reform, but I'm not sure the NCLB Act is the way to go about it."

Colleen McCaskey

"I'm uncomfortable with the fact that funding is cut to the schools that need it the most."



Kale Franz

"While teachers and administrators complain about NCLB accountability measures, rising test scores – especially among minorities – make it clear the Act is having a positive impact on our schools."

Sexual Equality

By Kevin Duffy
Guest Columnist

The question has arisen of late, as to whether men and women are equally adept in the fields of math and science. I have already been told by a Chemistry major the fundamental differences in the brain that separate the sexes on an intellectual level. While I acknowledge this science, and contribute it to various social and emotional differences, I reject the notion that men and women are incapable of learning technical material at the same level.

Taking an even cursory observation of the CSM campus reveals the stark contrast in the ratio of men to women. The uninformed observer might attribute this to the "obvious" fact that men are simply better suited in solving analytical problems. The real reason for the lack of females on campus is a societal phenomenon, not a biological one. Historically men were educated as women were expected to stay home with the family. While this is still an honorable path for many, the trend over the last century has been toward equality in the workplace and as a consequence, the university. By looking at any other state college in Colorado it is clear to see this transformation happened decades ago. CSM is the last holdout if you will, because of the historical precedence of engineering as a male occupation. I may be making a bold statement, but given enough time CSM will enjoy an equal ratio (I'm not making any promises on when though!).

"Given enough time, CSM will enjoy an equal ratio."

As for the brain chemistry argument: Take any sizeable group of individuals, both male and female, and the astute observer will find that those who achieve at this school are those internally-driven to succeed, regardless of sex. The interesting fact however, is that the emotional differences do play out in the classroom and workplace. Rather than strengthening any single group, these differences bring out strengths and weakness in all. From my personal experience as a 19 year old male, I have a hard time sitting still in a lecture for 50 minutes. I get bored, agitated and generally feel the need to move around, while my female colleagues sit still and absorb the lecture material as if it were so fascinating. I still learn and perform at the same level, I simply have a different way of taking in the material. At the same time, as EPICS teaches all know, people function differently in a small-group scenario. While this of course is not true for all, men see team decisions and responsibility delineation as black and white business calls; where as many women see it as an emotional response and take offense if their "way" was not selected. As demonstrated by both the lecture hall and the Hall of Justice workrooms, these emotional differences don't distract from the ability to learn and grasp information.

If anything should be to gain from this debate it should centered around the potential of the individual, rather then the potential of the individual's circumstances. If a student dose not deserve to be at the School of Mines, then they should not be here. However, if such a prospective student shows the potential and willingness to become a successful student, they should be given that chance regardless of gender politics.

Male Superiority

By Jonathan Parker
Guest Columnist

I don't know about you, but when I look around this campus, which is one of the top engineering schools in the world, I'm not seeing any women. (Of course I have made some identification mistakes on this one). To answer, "Which sex makes a better engineer?" I ask you, "What makes a good engineer?" To me it's somebody who can create a simple plan that resists destruction. Who is more simple minded and focused on destruction than a male? Even as children, while women are off thinking about marriage and the names of their first 27 children, us males are busy testing the structural integrity of the Lego castle we just built by throwing Micro Machines and our sister's Barbie's at it. Taking a glance further back, even Mars is by far superiorly engineered compared to Venus. Women let the carbon dioxide on their planet create a runaway greenhouse effect which created searing temperatures on the surface forcing them to invade earth and disrupt Adam. And if you were wondering, yes, that is why women are ALWAYS cold.

One of the biggest problem with women in engineering, however, is they're not in the kitchen. Don't get me wrong, I love a greatly engineered turkey dinner, but when it comes to actual problems, males, preferably ones who can wrestle bears, should be left in charge. To see if this feeling is shared by female Mines students I took to the street and asked a lovely lady who goes by Brandy if she would feel safer crossing a bridge she had designed or baking chocolate chip cookies for me on a Saturday afternoon. To my surprise, I got a logical response from a female (yes boys it is possible) who did indeed agree with my impeccable view of women and chose the cookie option. I was so excited I almost threw back my legs and polluted my britches with delight.

Now the kitchen is probably not familiar to many of you, as I am assuming you're male, but it is the room in the house where much gossip and magic called "cooking" and "baking" occur. Without the implements of their "magic," how could anyone expect to create anything? I for one am truly thankful for the work they do. My hat is off to you ladies.

One of the many flaws that women do however have is they talk too much and nobody can understand what they are saying, not even other women! And as we all know, when designing an orphanage on a slope, a misunderstanding could spell disaster. So Please, think of the children.

"I'm not going to lie, every woman at Mine's is probably smarter than me….ok is smarter than me, but I am a male, so hear me roar!" This is the sort of statement you get from the writer of this article. Heck, I know him personally, and even kinda like him. (He's cute!). So by now you're probably wondering, "What about all of the successful woman engineers?" To explain this, future studies are under way to see if merely looking like a man makes you a better engineer. I don't know about you, but I'm holding my breath about these exciting new results.

Note: No females were harmed in the production of this article.

Girls, Knock it Off

By Julianna Sipeki
Business Manager

Women all over this country are absolute advocates of equality between sexes. Then, how come every time the inequality favors our side, we take advantage of it and abuse it? This only hurts what many women have devoted their lives to, and the stereotypes resurface once again.

Many girls at this school are particularly famous for doing this. Yes, the ratio of girls to guys is one to four. However, when did this fact entitle the female population to think that they can use this to their advantage, and receive special treatment?

This most likely started way back in elementary school, when many of us probably heard the stereotypical classifications. It is usually some version of, boys are good in math, and girls are good in English. Teachers, parents, administrators always pushed the guys to excel in science and math, while girls were considered naturally good writers.

A girl has to have an amazing support system behind her who know that she is every bit as capable of excelling in math and science as a guy is. Else, it can be quite the struggle to not give in to these stereotypes. After 18 years of a girl struggling to prove herself, she finally gets into an engineering school that is known for its challenging curriculum and high student intelligence level among other things. She has every right to feel proud of herself. She beat the system; she was accepted to the Colorado School of Mines.

Now that she got into Mines, this girl soon realizes that she is a rare commodity. She is smart and it takes her less than a minute to figure out that she can use this to her advantage. Quickly she has every guy wrapped around her little finger and makes him go out of his way to accommodate her. She soon has guys carrying her books, driving her in the middle of the night to Denny's to accommodate for her late night craving, and running across town to pick up her dry cleaning. She can do whatever she would like, and hurt whomever, because for every guy that realizes she is not worth it there are four more in line to accommodate for every one of her needs.

Guys, do not be fooled, as much as you might want to believe you are her knight in shining armor and you are here to save her; she is not as fragile, helpless, or stupid as you might think. After all, she does have a brain; she goes to Mines. You do not have to accommodate her every need and worship the ground she walks on for purely the fact that she is a girl. Trust me, girls will ultimately want a guy with a backbone, someone with his own opinions, after all that is what keeps us interested.

Girls, do not act dumb, and have a little self-respect, you are a rare commodity. You can be the strong, smart woman you ought to be. After all, you do go to Mines. Just remember, how much you worked to be finally counted as an equal, in a field strongly dominated by the male population. That personality and self-respect should not have disappeared the second you walked into this school. Guys are going to get used to the fact that you are smart sooner or later. You do not have to wear a mini skirt with a halter in the dead middle of the winter during a snowstorm. This is only a prescription for pneumonia. Guys will still like you, even if you are dressed in three layers of clothes with a winter coat bigger than you.

Now do not get me wrong, I am all for being friendly with the opposite sex. However, there is a fine line between being friendly, flirty and charming, and abusing your privileges. You should not do the latter. It does not serve either party well. People should want to do things for you because they like you, not because they think they have to.

~ The Gender Battle ~

Ski Bums Hit Up Mary's Glacier, Have Rocking Good Time

By Javier Gonisend
Guest Columnist

Annual Ski Bums Trip to St. Mary's glacier was held Sunday morning for some of Colorado's only September skiing.

I woke up at 5:00 a.m. to ski for my first time in September, when I left Mines Park to go to the CTLM parking lot it was as dark as night time, no cars, no noise, nobody around, I was scared, I have never woken up so early.

It took us one hour to get to St. Mary´s glacier hiking trail, you have to take I-70 west and exit on the Fall River Road exit after Idaho Springs. The area is a couple miles from I-70 past the town of Alice.

At 7:00 a.m. we were hiking, after the first 10 minutes, I could not even breath because of the mile high, but the next two hours were better. We were hiking until 9:00 a.m. when we reached the top, there were the most beautiful views you could imagine, we got lucky because the whole weekend was snowing and that day there were not any clouds in the sky, I was impressed with the white mountain picks all around.

After having some sandwiches we skied all the way down, we spent a couple hours having fun with the fresh September snow, and even my butt tried some glacier ice, I do not recommend it!. After noon we got back to Golden because some of us had to study. I hope we will ride together more times. Go Ski Bumps!!!

<u>The Reopening of Saint Mary's Glacier</u>

In early December of 2005 we learned of plans to reopen the defunct Saint Mary's Glacier Ski Area. The area last operated back in the 1980's and closed due to net operating losses. Michael Coors, a relative of the Coors empire, is spearheading this reopening calling the new ski area Eclipse Snow Park. The plans are very similar to that of the new Echo Mountain Park and include terrain park features. New lifts and trails will be cut at St. Mary's Glacier and the area will have a total of 1,300 foot vertical drop.

Operation Dates: 1930's – 1986

Area Stats: Summit 9,760; Base 8,500; Vertical Drop 1,260
*Ticket Prices: (1984) Adults $7.50, Children $3.50
*Rentals were available from $6.95 per day for adults
*Season: Thanksgiving – April

History: The current ski area probably opened around the mid 1950's, but skiing has been popular year round on the nearby glacier. The area was also called Silver Mountain (1979/1980) and Silver Lake before that. In 2002, there was a proposal to reopen this ski area as a snowboard resort. Plans were drafted by SnoEngineering but fell through. The area continues to sit idle.

Javier Gonison / Oredigger

The Ski bums prove their medal on the rocky cliffs of St. Mary's Glacier this past weekend. Its the only September skiing around.

Scrambled Pizza on the Trail

By Scott Bromley
Entertainment Editor

If you don't know how to cook something in the wilderness, you scrap the directions, mix it all together and make it scrambled. This ensures a delicious new and exciting meal, because in the wilderness, anything goes.

On September 23rd, a healthy blend of three ORC student staff members and five participants, four of which were girls (take that ratio) set off for the Lost Creek Wilderness for a few days of backpacking and relaxation from homework.

Upon arriving to the trailhead the sun had already disappeared behind the nearby Terryall mountains and a light snow was falling. For two of the participants, this was a very abrupt but exciting beginning to their first backpacking trip. After packing in about a mile, the group decided to set up camp and hang out for the night. They played a few games like pass the pigs and dice games before retiring to their warm sleeping bags and tents provided generously by the ORC.

After eating breakfast and packing up the next morning, they hiked up the canyon for about six miles over mixed terrain. Although the trail stayed below the notorious rocky alpine areas, the group still had to get through some rough Class 3 scrambles. For safety reasons the leaders decided to shuttle packs and use trekking poles to help each person up. The many lookout points gave good views of the lumpy ridges and prominent rock outcroppings prime for bouldering and single-pitch climbing. The trail was a little hard to follow in spots, and led to some mild bushwhacking to get to the next camp. Luckily for the participants they were with three experienced and knowledgeable guides. Thomas Wells "Zippy" had scouted the trail beforehand in August so as to be familiar in case of such an occasion. John "Rook" Simpson is Wilderness First Responder Certified and Zippy and Nick "MacGyver" Sealy are both Wilderness First Aid Certified.

The next day the group hiked all seven miles back out of the canyon via the second half of the loop that paces up and down the creek and surrounding mountains. After a few hours of driving back down Highway 285, the group was back in Golden with a refreshed feeling, great memories, and tons of pictures.

If you are interested in any kind of outdoor recreation trip, you can contact Rob Thompson, Director of the Outdoor Recreation Center at 303.273.3907 or you can visit the ORC directly. Also if you are interested in employment by the ORC you need to be at least Wilderness First Aid Certified. The National Outdoor Leadership School is coming to campus on October 21st and 22nd. This is a very convenient time and place for students to get certified. It is also very advantageous to be certified of you do any type of outdoor sport, be it hiking, biking, kayaking, skiing or snowboarding, etc. You can sign up by contacting Rob at the above number.

Look at the ORC schedule for this semester; they are sponsoring numerous exciting trips including Moab over fall break, a fall summit attempt of Mount Guyot, and a caving expedition to Fulford cave, as well as an avalanche awareness course in December.

Far Left: Girls rules the mountion during a recent back packing trip sponsored by the ORC.

Right: The whole group lines up for a photo in front of some excellent scenery.

Photos Courtesy of Thomas Wells

Mines Girls Rugby Know How to Hook'em

By Konrad Klett
Assistant Sports Editor

Mines is known to have a lot of clubs. If you've been to Celebration of Mines in recent years you know that we are still getting new ones every year. One of the newest additions this year is the the women's rugby team. The team was created by Sherry White in memory of Rick Carlson and in response to a dare from her roommate Nate Kitners.

The team is very enthusiastic and completely into the sport. They are always open to receiving new players whether they have had any previous experience or not.

If you're wondering how their inaugural season has been going, here's a quick recap for you. They opened against the Harlequins and although they lost the game, they kept them from scoring for a full twenty minutes. Not bad considering the Harlequins are ranked 16 in national club standings.

The game with the University of Wyoming was much different than they had expected. Liz Wachel scored for Mines on their first try. Mines lost the game by eight points but the players still had an excellent time.

The game with the University of Northern Colorado was a different story. Mines got beaten pretty badly. UNC did however have several players who had recently come back from nationals and is a very good overall team.

Although they only lost the game with CU Boulder by three points, it was the hardest for the team. Still, the men's rugby team came out in support of them and the game remained amazing, thanks in part to Brea Alexander, who scored for Mines on their third try. The game shall forever be known as, "Bowling for CU"!

Now here's the roster:

Coach: Meg Sobkowicz

Captain: Sherry White

ForwardsProps:
Brea Alexander
Liz Wachel

Hooker: Meredith Naugle

Second Row: Marissa Reigle
Amanda Walton

Flankers: Tracy Saddler
Cristine M

Eight Man: Sherry White

Scrum Half: Meg Sobkowicz

Fly Half: Jessie Grainger

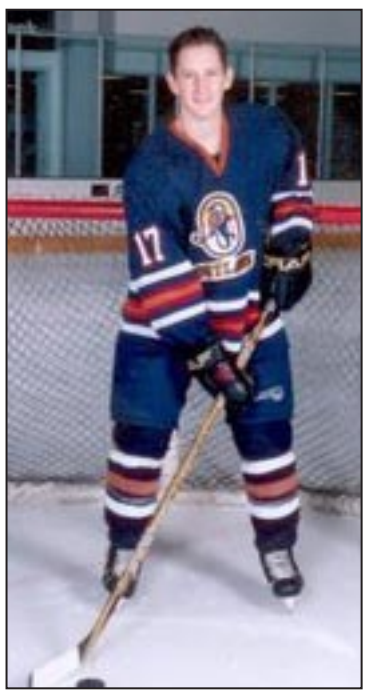
Wingers: Tryana Garza Cruz
Ashlin Tucker

Centers: Christina Vigil
Sara McFarland
Jackie B

Full Back: Shelby Frail

Photo Courtesy of Tracy Sadler
The women's rugby team smiles for the camera before they crush the opposition. The women's rugby team can be seen practicing on the North IM fields.

Club Sports Fundraiser Is Winning Experience



Alex Davidson is ready to go

By Konrad Klett
Assistant Sports Editor

The Mines hockey team held a raffle last week for the Avalanche game on Nov. 8 against the Vancouver Canucks.

The raffle tickets, at one dollar each, were sold in the Student Center for some time and immediately before the Sept. 30 game at the Apex Center and the winners were announced between the second and third period.

The winner received two tickets for seats in section 352.

If you would like more info on the Mines hockey team, go to their website at http://www.mines.edu/stu_life/organ/ihc/_main.htm

CSM founded its ice hockey team eight seasons ago. The team is a member of the USA Hockey Collegiate Club Program. It is the teams' intention to mold an excellent hockey player.

Intramural Sports Schedule

Cross Country (M/W)
Deadline: 10/5
Tourney: 10/7

Table Tennis – Singles
(M/W)
Deadline: 11/9
Tourney: 11/15

Bowling 4 per team
(M/W)
Deadline: 10/26
Tourney: 11/1

Free Throw Contest
(M/W)
Deadline: 10/5
Draft: 10/9

Swim Meet (M/W)
Deadline: 11/16
Tourney: 11/18

Kickball (Open)
Deadline: 11/2
Tourney: 11/5

Indoor Soccer (M, W, CR)
Deadline: 10/12
Tourney: 10/15

NBA Live '07 (Open)
Deadline: 11/16
Tourney: 11/19

Texas Hold 'Em (Open)
Deadline: 11/2
Tourney: 11/6

Tiger Woods '06 (Open)
Deadline: 10/19
Tourney: 10/22

Monster Dodgeball
(M/W)
Deadline: 11/16
Tourney: 11/28

Check It Out

Radio.Mines.Edu

CSM Manhandles Panhandle State

Orediggers Posts First Shutout in Two Years 69-0; Improve to 2-3 overall

Chase Hoffman/Orediger

Top: CSM freshmen show their "guns" by doing pushups each score.
Right: Senior Bryan Florendo breaks away for another touchdown run.

By Bruce Bugbee
Sports Editor

The Colorado School of Mines football team handed Oklahoma Panhandle State their fourth loss of the season by a resounding score of 69-0 in non-conference action this past Saturday.

The Orediggers, who have been looking to recapture the magic of their perfect 2004 season, posted their first shut out since defeating Western State 58-0 on Sept. 11, 2004.

Much of CSM's success Saturday can be attributed to an excellent performance from senior running back Bryan Florendo. Florendo, whose 2005 performance of 15 rushing touchdowns placed him third on the all-time single season rushing TD list, posted a career high 222 yards on 16 carries for three touchdowns. Florendo also had three receptions for 10 yards and an additional touchdown.

Freshman quarterback Keenan Bruchez also contributed greatly to the win, completing 11-of-18 passes for 133 yards and three touchdowns. Bruchez also showed that he is a running threat by rushing for 55 yards and two more touchdowns.

Apart from an outstanding offensive showing, Mines' defense certainly came to work Saturday. The Orediggers allowed only 84 yards total offense from OPSU with only nine first downs through out the course of the game. Defensive gems came from junior defensive end Marin Richardson who recorded eight tackles while freshman Isaiah Smart racked up six tackles, a sack, and a forced fumble.

Mine's junior kicker Aaron Abel also played an excellent game by posting two field goals, one of which was for a career-long 46 yards in the fourth quarter.

CSM looks to carry this momentum into their Homecoming game this Saturday where they will host perennial rival New Mexico Highlands at 1:00pm at Brooks Field.

CSM Golf

Courtesy CSM Athletics Dept.

The Colorado School of Mines golf team placed 13th at the 2006 Northwest Regional Head-to-Head on Monday and Tuesday.

CSM fired rounds of 328-314-333 for a three round total of 975. UC-Colorado Springs won the event with 928 and was followed by St. Cloud State (938), Fort Lewis (942), CSU-Pueblo (946), Western New Mexico (949), Minnesota State (951), Nebraska-Kearney (952), Regis (958), Augustana and South Dakota (963), North Dakota (965), Colorado Christian (971), and Colorado Mines.

CSM senior Mark Vallee led the Orediggers as he tied for 13th place overall with a total of 234 (76-75-83).

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Mines Kicks it Up a Notch

Women's Soccer Defeats Colorado Christian

Courtesy CSM Athletics Dept.

Sophmore Ann Newman blasts a shot in the Orediger win Sunday

By Lily Giddings
Staff Reporter

Excitement was in the air Saturday night as the Colorado School of Mines women's soccer team rushed onto Brook's Field in preparation for the game against Colorado Christian University. Their eagerness for victory led to a final score of 6-2.

This latest win adds to the team's previous record, bringing them to a grand total of two conference wins this season.

The first half began with the injury of freshman forward Kayla Mitchell, who has been a valuable player in past games posting several hattricks throughout this season. She did not return to the game, but the team was able to overcome the handicap.

Both teams defended well, resulting in no scores until a penalty shot for the Orediggers at the end of the first half. Sophomore Ann Newman was able to overcome the Cougar goalie, for the first score of the night.

Inspired by this, the second half began strong for the CSM women with five goals in all. Sophomore Diane Wetzel led the night with two assists and two goals. Other scorers for the night included sophomore Mikayla Buenger and freshman Stephanie Frelinger.

The Cougars scored later in the second half, but the Orediggers kept the defense strong and the Cougars were unable to catch up. Laura Leathers scored both of the Cougar's goals.

With almost 5 minutes to go in the second half, CCU freshman Harmony Bischof was injured taking a soccer ball to the stomach.

The team will be back in action on Friday at 7pm, hosting the Regis University Rangers.

Metro Snaps CSM Win Streak

Scott Qunitard/Metro State

Stefanie Allison led MSCD to victory after posting a career high 30 kills Saturday.

By Bruce Bugbee
Sports Editor

The Colorado School of Mines women's volleyball team went 1-1 in their two games this past weekend. CSM extended a three game win streak with a victory over Colorado Christian Friday but was soon heartbroken after a loss to conference rival Metro State Saturday.

The Oredigger ladies have been looking sharp this season and proved that they were worth the hype after a lopsided 3-0 victory against a tough Colorado Christian team.

CSM was led by senior middle hitter Amanda Rebol who produced 11 kills and nine digs. Junior setter Ashley Pagel amassed 39 assists, seven kills and nine digs, while freshman right side Kaity Edmiston made a contribution with nine kills.

Game scores were 30-27, 31-29, 30-19.

Coming off the Colorado Christian victory, CSM looked to extend its season-high winning streak to four games. Bitter rivals Metro State had other plans in mind for the Orediggers however.

CSM dropped their match to Metro State 3-1 with game scores of 30-21, 27-30, 30-24, 33-31.

Rebol and Pagel both continued their noteworthy performance as of late amassing 17 kills, 10 digs, and nine blocks and 39 assists, 15 digs, and nine kills respectively. Junior middle hitter Nicole Leeper also added to the fray with 16 kills.

In the end it was just too little for CSM as Metro State received outstanding performances from stars Stefanie Allison and Stephanie Levi. Allison recorded 30 kills and 17 digs while Levi dished out an exceptional 70 assists.

The Orediggers hope to continue their successful season this Friday at the second RMAC Crossover hosted by Mesa State where they square off against Ft. Lewis at 11:00am.

The Real Octoberfest: MLB Playoffs 2006

By Bruce Bugbee
Sports Editor

As the sun set on Sunday, so ended another incredible season of Major League Baseball. This year's installment had its fair share of the good (the Red Sox in June) and the bad (the Red Sox in August). With the season at an end, only eight teams find themselves amongst the elite to contend for baseball's most prestigious prize—the World Series.

Jim Mone/AP Photo

Johan Santana and Rondell White take a lap around the stadium to celebrate their division title

New York Yankees

This Yankee season very well may go down as manager Joe Torre's best in his long and illustrious career. Derek Jeter is an MVP hopeful after playing one of the best seasons of his career and midseason pickups Bobby Abreu and Cory Lidle brought a depth to this team that is literally scary.

Concerns for Playoffs: Randy Johnson's recent back problems have called his ability to be effective in the postseason into question. The drama surrounding Alex Rodriguez's lack of performance have many wondering if he will ever grow up and be worth all the money that they pay him.

Detroit Tigers

A few years ago the Tigers were looking at setting a new record for losses in a season. Now after revamping their lineup and bringing in veteran miracle worker Jim Leyland to manage, Detroit is sitting in the limelight as one of baseball's Cinderella stories.

Concerns for Playoffs: Even though they have improved over the past couple of years, Detroit still lacks a lot of postseason experience outside of catcher Ivan Rodriguez who worked with Leyland to win to the World Series in 2003 with Florida.

Minnesota Twins

The Minnesota Twins are coming into the post season hot. They managed to pull their act together enough to make a huge second half push this season to end up on top of the AL Central. With Johan Santana pitching like he always does and new found slugger Justin Morneau anchoring the middle of the line up, the Twins are in good shape going into October.

Concerns for Playoffs: The Twins are not nearly as strong as they would be if Francisco Liriano was able to play.

Oakland Athletics

The Oakland Athletics own the month of August. Over the past years, no team has performed better than Oakland when it comes down to the last few months of the season. Veteran Frank Thomas has brought a much needed bat to the middle of this Oakland order.

Concerns for Playoffs: If the past few years have taught us anything, it's that the Oakland Athletics tend to be built for the season rather than the playoffs. Whenever October comes around, there are always questions lingering about Oakland's less than stellar track record.

New York Mets

The Mets were once again able to become the dominant National League team that they were a few years ago. With solid performances from Carlos Beltran and Carlos Delgado all summer, the Mets were shown to be the team to fear in the National League

Concerns for Playoffs: The average for the Mets' starting rotation is about 33 years old, which is ancient in baseball years. The success of this postseason for the Mets will depend on the durability and cunning of their starting rotation.

St. Louis Cardinals

The Cardinals have a lot to prove after barely squeaking into the playoffs this season. No longer the "New Murderer's Row" of seasons past, St. Louis is a shadow of it's former self. Luckily, this shadow still has Albert Pujols who put up monstrous numbers this year.

Concerns for Playoffs: Everyone who isn't named Albert Pujols.

L.A. Dodgers

After picking up veteran Greg Maddux at the break, the Dodgers began a hot streak that burned through the majority of the National League. Combined with starters Derek Lowe and Brad Penny, the Dodgers' rotation has a large amount of postseason experience that definitely should come in handy.

Concerns for Playoffs: Lack of power has worried many Dodger fans who have found themselves wondering if the middle of their lineup can step up to the plate with the pressure on.

San Diego Padres

The Padres were able to live up to expectations and clinch the National League West title following a season that saw Trevor Hoffman become the all-time saves leader and saw Jake Peavy become the dominating ace that many have been predicting.

Concerns for Playoffs: Like the Dodgers, a lack of power is the concern for the Padres as they enter the postseason without a homerun threat

Breaking It Down

By Travis Broersma
Guest Columnist

First, let me quickly preface this column with two simple things: I grew up in Fort Collins as an avid CSU fan, so I hate CU with all my heart, and I also grew up a Michigan fan (albeit a little smaller) so Notre Dame and Ohio State are also on my shit-list. That being said, let's talk some college football. After watching another terrific Saturday of college football yesterday, a number of things have become abundantly clear to me.

CU is really horrible enough to go winless on the season

I told you that I would bring up the terrible institution that is CU and I follow through on my promises. In all seriousness though, CU is really an awful football team. After losing yesterday 28-13 to a vastly superior Missouri team, it seems as though CU's only chance to escape this season with a win is next week in their homecoming game against Baylor.

After next week's game, CU only has a schedule left that is chock-full of very tough conference games. CU has shown tremendous improvement since their season opening loss to Divison I-AA Montana State, but they still have some glaring problems that could prevent them from winning a single game this year.

CU does not have a quarterback. CU is ranked eighth nationally in team defense but 113th in offense, and the majority of this offensive inadequacy can be attributed to the lack of a good signal-caller. After the departure of Joel Klatt last year, CU has been unable to find a good replacement. The current starting quarterback, Bernard Jackson, is a tremendous runner but a horrific passer. He has thrown for only 486 yards in the four games that he has started and he hasn't even thrown a touchdown pass yet, all year!

Without a decent quarterback to control your offensive, it is extremely hard to move the ball effectively, as evidenced by CU's measly 223.5 yards per game. Aside from this, CU is just downright unlucky. They have been extremely close in a number of games this year and have just come out on the short-end of the stick every time. Johnny Walker's amazing leaping catch near the end of the fourth quarter sealed CU's fate in the CU-CSU game, and the absolutely ludicrous play of freshman Joe Cox led #9 Georgia in a great comeback to beat CU 14-13 last week, in a game which would have certainly turned CU's season around. I hate to say it (actually I love every second of it), but this just isn't CU's year and they will be hard-pressed to win more than a single game, if a single game at all.

Everything important will be decided on November 18th at the Horseshoe

The road to the national title, as well as the Heisman, will be decided on November 18th when Michigan and Ohio State square off in what will be the deciding game in the national championship race.

Both teams should walk into this game at 11-0 and one team will walk out of this game and into the national championship game. Both Ohio State and Michigan have looked extremely impressive thus far, both sitting at 5-0 by absolutely manhandling their opponents. Ohio State walked into both Texas Memorial Stadium and Kinnick Stadium and dismantled two good Texas and Iowa teams, while Michigan left South Bend with a 26 point victory over a Notre Dame team that a number of people had predicted to win it all.

November 18th will be a game for the ages so mark your calendars. You heard it here first: Michigan leaves Columbus with a victory and goes on to meet a revamped USC team in the National Championship Game on January 8th in Phoenix, Arizona. Troy Smith will still play out of his mind though and should run away with the Heisman, but will lose it to Brady Quinn, the single most overrated player of the new millenium. He sure is dreamy though.

"Breaking It Down" is a new feature that lets readers gripe about anything and everything sports related.

To submit something, email it to oredig@mines.edu

And the Winners Are...

With the 2006 season at a close, it's time to take a look at some of baseball's best individual performances.

National League	*American League*
Hitting	**Hitting**
Avg: Freddy Sanchez, PIT .344	Avg: Joe Mauer, MIN .347
HR: Ryan Howard, PHI 58	HR: David Ortiz, BOS 54
Runs: Chase Utley, PHI 131	Runs: Grady Siezmore, CLE 134
RBI: Ryan Howard, PHI 149	RBI: David Ortiz, BOS 137
SB: Jose Reyes, NYM 64	SB: Carl Crawford, TB 56
BB: Barry Bonds, SF 115	BB: David Ortiz, BOS 119
OBP: Albert Pujols, STL .431	OBP: Manny Ramirez, .439
Pitching	**Pitching**
Wins: Brandon Webb, ARI 16	Wins: Johan Santana, MIN 19
ERA: Roy Oswalt, HOU 2.98	ERA: Johan Santana, MIN 2.77
IP: Bronson Arroyo, CIN 240.2	IP:Johan Santana, MIN 233.2
Saves: Trevor Hoffman, SD 46	Saves: Francisco Rodriguez, LAA 47

Number Theory

$41,634

Avg. Starting Salary for **CU** undergrad in **engineering physics**

$51,816

Avg. Starting Salary for **MINES** undergrad in **engineering physics**

But.....

#9

National ranking of the CU party scene in 2003 according to the Princeton review

DNE

Mines didn't even recieve a party school ranking in the 2003 Princeton Review

So...

Potent Quotables

"It's more sad than anything else, to see someone with such potential throw it all down the drain because of a sexual addiction."

- Florida Republican Mark Foley Recently implicated in a scandal involving inappropraite contact with conngresional pages, talking about Bill Clinton's sexual indiscretions

"As we bury the rest of the welfare state in preparation for the 21st century, it is time to slay the largest government 'entitlement' program of all, Social Security"

-Congressional Canidate Rick O'Donnell in the Feb 1995 edition of American Civilization

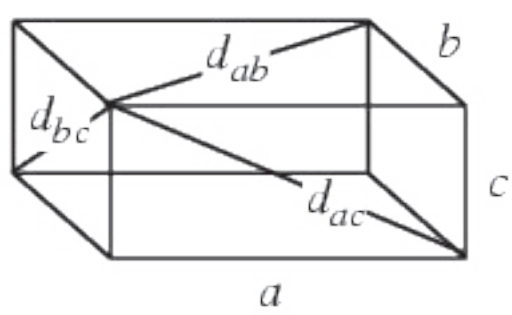
"We do not rule out that Mr. Cohen is serving someone's political order designed to present Kazakhstan and its people in a derogatory way. We reserve the right to any legal action to prevent new pranks of the kind."

-Yerzhan Ashykbayev, Kazakh Foreign Ministry Spokesman talking about the exploits in Sacha Baron Cohen's new movie 'Borat'

"I would like comment on recent advertisements on television and in media about my nation of Kazakhstan, saying that women are treated equally, and that all religions are tolerated - these are disgusting fabrications. These claims are part of a propoganda campaign against our country by evil nitwits Uzbekistan - who as we all know are a very nosey people, with a bone in the middle of their brain."

-'Borat' responding to the Kazakh foreign minister, he later went over to the White House to drop off an invitation to "Premier" Bush to attend a screening of his new movie

Riddle Me This



Find an Euler brick whose space diagonal is also an integer, and we will give you a cookie